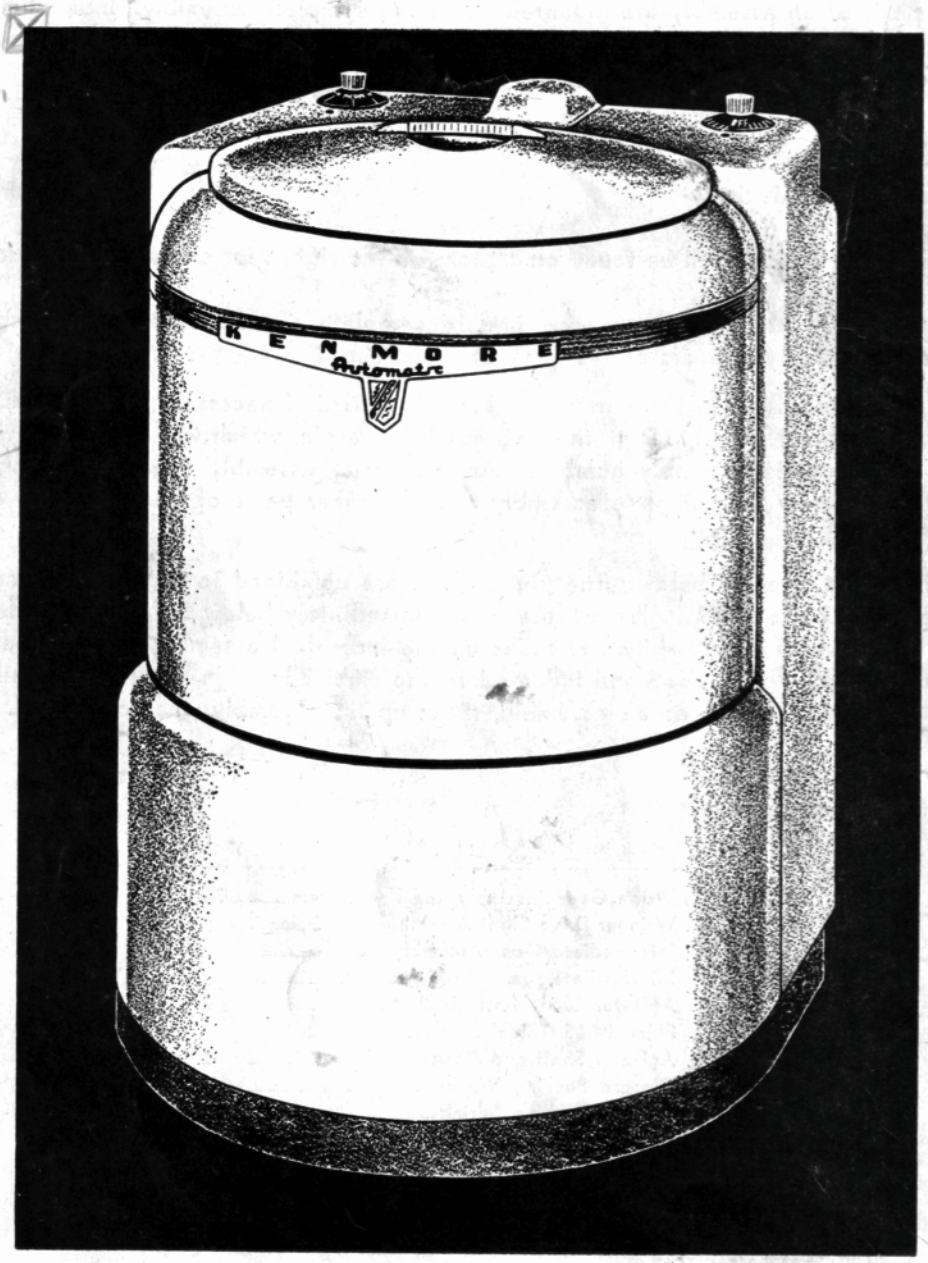
Parts List for

KENMORE Automatic

AUTOMATIC WASHER

MODEL NUMBER 110.83520



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HOW TO ORDER PARTS FOR KENMORE AUTOMATIC WASHER

MODEL 110.83520

All parts listed here may be ordered through any Sears retail or mail order store. In ordering parts by mail from the mail order store that serves the territory in which you live, always be sure to include sufficient postage (the weight of each part is shown in the list).

Repair parts are listed as complete assemblies, individual assemblies and individual parts. Individual assemblies and individual parts of an assembly are indented under the complete assembly. Individual parts of an individual assembly are indented under the individual assembly. This procedure is followed throughout the entire parts list.

When ordering, always give the following information:

1. **Part number in this list.**
2. **Part name in this list.**
3. **Model number, which will be found on a plate on the right rear corner of the machine.**

The parts list is broken down in groups according to complete assemblies and miscellaneous parts. The name of each complete assembly appears at the head of the group.

This has been done (as shown in the illustration below) so that if necessary, a complete assembly can be ordered as a unit under part No. S-1111 at the extreme left margin, which will include all the parts indented immediately below the complete assembly number. An individual assembly used in making up a complete assembly is also indented below the complete assembly and any other parts of the individual assembly are further indented.

For example, in the sample list below: The parts which are combined to make up the complete assembly S-1111 (part numbers S-2222 to 9999 inclusive) are listed immediately below S-1111 and indented to the right of this number. The parts which are combined to make up the individual assembly S-5555 (part numbers P-666 to 9999 inclusive) are listed below S-5555 and indented to the right of it. In other words, all parts listed and indented below a part number shown as an assembly, make up the assembly when combined.

Part Number	Description	Weight Lb.	Weight Oz.
S-1111	Worm Gear Assembly and Post Assem.	30	
S-2222	Wringer Drive Shaft Assembly		10
S-3333	Intermediate Gear Assembly		11
4444	Intermediate Gear Bushing		1
S-5555	Agitator Shaft Assembly	2	11
P-666	Shim (.025 Thick)		1
S-7777	Agitator Shaft and Pin Assembly	2	8
8888	Closure Packing Washer		1
9999	Closure Packing Spring		1

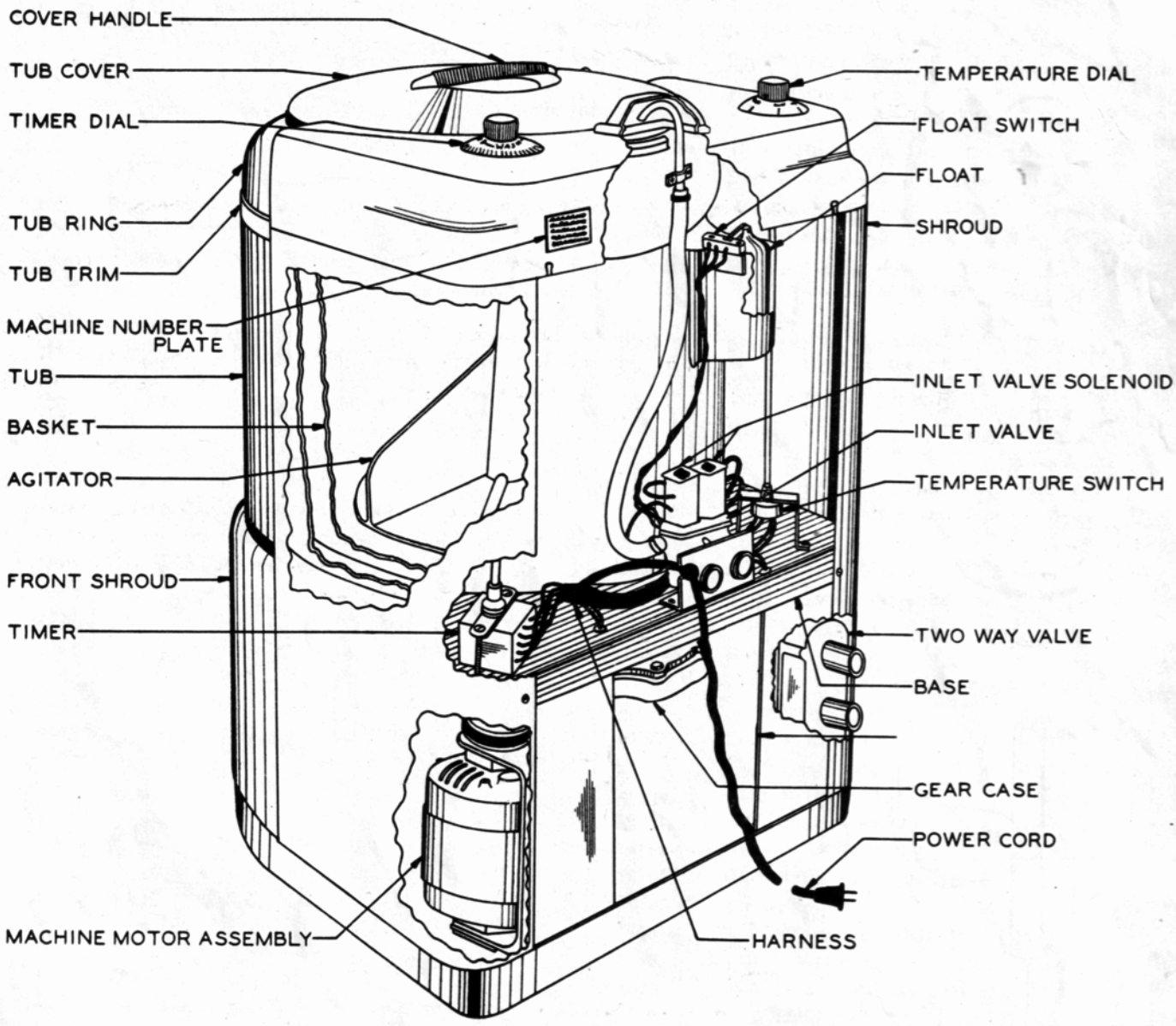
It is recommended that you order only individual assemblies or parts of a complete assembly as required, rather than order a complete assembly. As an example: if part No. S-7777 Agitator Shaft and Pin Assembly is required, do not order part No. S-5555 Agitator Shaft Assembly which includes other parts that probably need not be replaced.

ILLUSTRATIONS

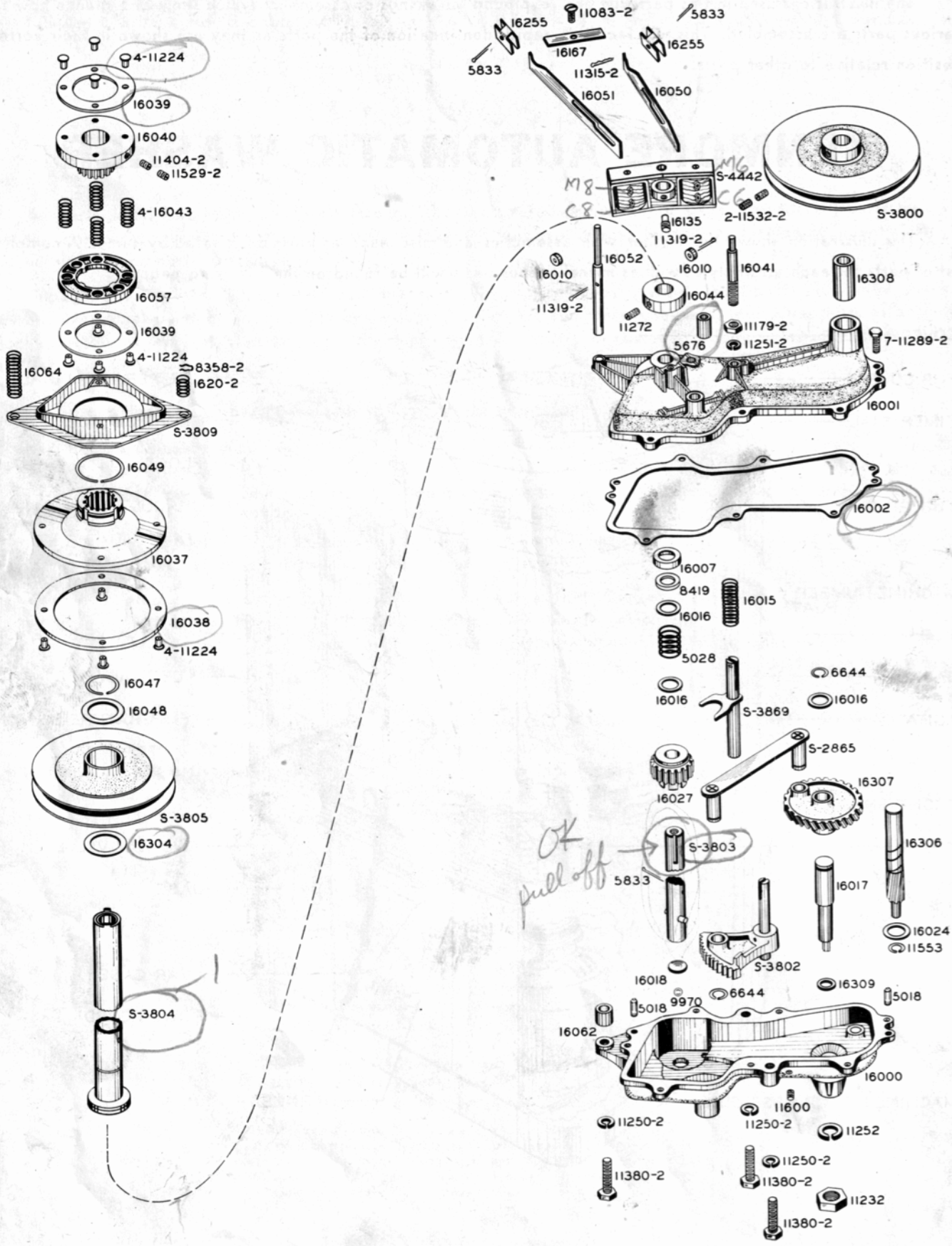
The illustrations used in this parts list are "exploded" drawings of assemblies which show at a glance how the various parts are assembled. This will facilitate rapid identification of the parts as they are shown in their correct position relative to other parts.

KENMORE AUTOMATIC WASHER

The illustration shows the washer with assemblies and miscellaneous parts designated by name. A complete list of parts for each assembly as well as miscellaneous parts will be found on the following pages.



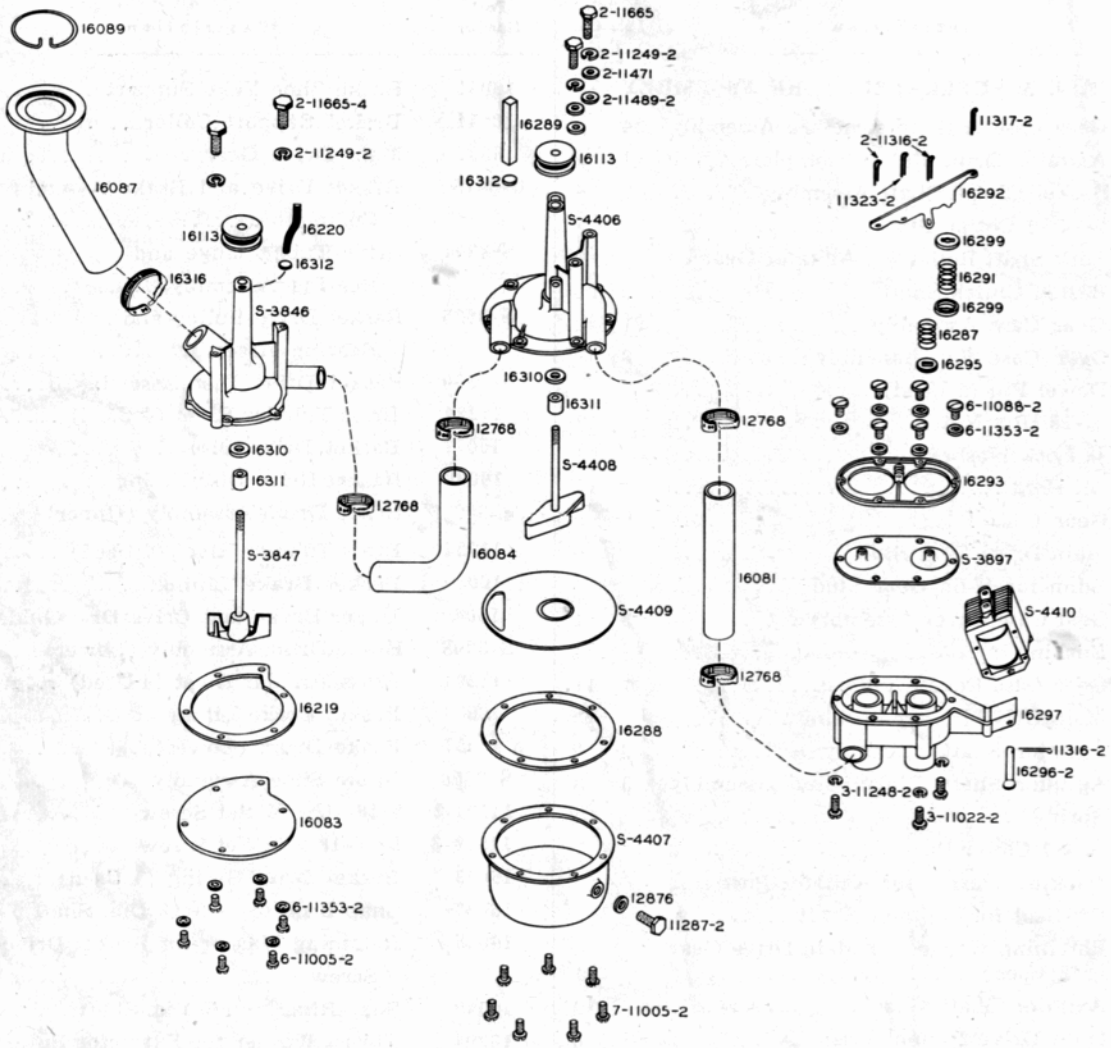
GEAR CASE AND SUPERSTRUCTURE ASSEMBLY



GEAR CASE AND SUPERSTRUCTURE ASSEMBLY

Part Number	Description	Weight Lb.	Weight Oz.
	GEAR CASE & SUPERSTRUCTURE ASSEMBLY		
S-3879	Gear Case & Superstructure Assembly	34	
S-3800	Agitator Drive Pulley Complete	1	12
S-3812	Basket Clutch Shaft Assembly		4
11319-2	1/8 x 3/4 Cotter Pin		1
16010	Fork Shaft Roller for Agitator Gear		1
16052	Basket Clutch Shaft		3
S-3817	Gear Case Assembly	21	12
S-3813	Gear Case Sub-Assembly	8	12
5018	Dowel Pin (2 Used)		1
11232	5/8-18 Hex Nut		1
11252	5/8 Lock Washer		1
11600	Oil Plug		1
16000	Gear Case	8	2
16017	Main Drive Gear Stud		6
16309	Shim for Main Gear Stud		1
S-3814	Gear Case Cover Assembly	3	1
5676	Bushing		1
16001	Gear Case Cover	1	11
16308	Main Drive Pinion Bushing		3
S-3815	Agitator Shaft Assembly	4	2
S-3803	Agitator Shaft, Pin & Stud Assembly	3	3
5028	Spring		1
5833	1/8 x 1 Cotter Pin		1
8419	Packing Washer for Agitator Post		1
16007	Oil Seal for Agitator Shaft		1
16016	Retaining Washer for Main Drive Gear (2 Used)		1
16027	Agitator Shaft Gear		14
S-3816	Main Drive Pinion Assembly		8
11553	Retaining Ring		1
16024	Tension Washer—Upper		1
16306	Main Drive Pinion		7
S-3869	Agitator Gear Fork and Shaft Assem.		5
S-3892	Connecting Rod Assembly Complete	2	9
S-2865	Connecting Rod Assembly	1	
S-3802	Gear Sector and Shaft Assembly	1	8
6644	Snap Ring (Connecting Rod)		1
6644	Snap Ring (Drive Gear Stud)		1
9970	3/8 Dia. Steel Ball Bearing		1
11179-2	1/2-20 Hex Nut (Yoke Support)		1
11251-2	1/2 Lockwasher (Yoke Support Shaft)		1
11272	5/16-24 x 1/2 Set Screw		1
11289-2	5/16-24 x 3/4 Hex Hd. Cap Screw (7 Used)		1
11319-2	1/8 x 3/4 Cotter Pin		1
16002	Gear Case Gasket		2
16010	Agitator Gear Fork Shaft Roller		1
16015	Fork Spring for Agitator Shaft		1
16016	Retaining Washer for Main Drive Gear		1
16018	Thrust Bearing for Agitator Shaft		1
16041	Brake Shoe Yoke Support		3
16044	Basket Support Collar		4
16307	Main Drive Gear	1	3
S-3875	Basket Drive and Brake Assembly Complete	8	8
S-3804	Drive Tube Flange and Bearing Assembly	2	13
S-3805	Basket Drive Pulley and Bearing Assembly	2	8
S-3806	Basket Drive Disc Assembly	1	4
11224	Brass Tubular Rivet (4 Used)		1
16037	Basket Drive Disc	1	2
16038	Basket Drive Disc Lining		1
S-3807	Brake Drum Assembly (Upper)		7
11224	Brass Tubular Rivet (4 Used)		1
16039	Basket Brake Lining		1
16040	Upper Brake and Drive Disc Guide		5
S-3808	Brake Drum Assembly (Lower)		12
11224	Brass Tubular Rivet (4 Used)		1
16039	Basket Brake Lining		1
16057	Brake Drum (Lower)		10
S-3809	Brake Shoe Assembly	1	2
11404-2	5/16-18 x 7/8 Set Screw		1
11529-3	5/16-18 x 3/8 Set Screw		1
16043	Basket Drive Spring (4 Used)		1
16047	Snap Ring for 1 3/16 Dia. Shaft		1
16048	Retaining Washer for Basket Drive Screw		1
16049	Snap Ring for 1 7/8 Dia. Shaft		1
16304	Thrust Washer for Extractor Pulley		1
S-4442	Control Magnet Assembly	1	8
1620-2	Control Rod Spring		1
5833	1/8 x 1 Cotter Pin (Control Magnet Plunger) (2 Used)		1
8358-2	Retainer Spring		1
11083-2	1/4-28 x 3/8 Fillister Head Machine Screw (16167)		1
11532-2	5/16-18 x 5/16 Set Screw (S-3800) (2 Used)		1
16050	Cam for Agitator		4
16051	Cam for Basket		5
16135	Taper End Screw		1
16167	Cam Bar Brake Spring		1
16255	Cam Bar Guide (2 Used)		1
11250-2	3/8 Lockwasher (3 Used)		1
11315-2	1/16 x 1/2 Cotter Pin		1
11380-2	3/8-24 x 2 Hex Head Cap Screw (3 Used)		1
16062	Gear Case Support Spacer		1
16064	Brake Shoe Yoke Spring		1

WATER SYSTEM



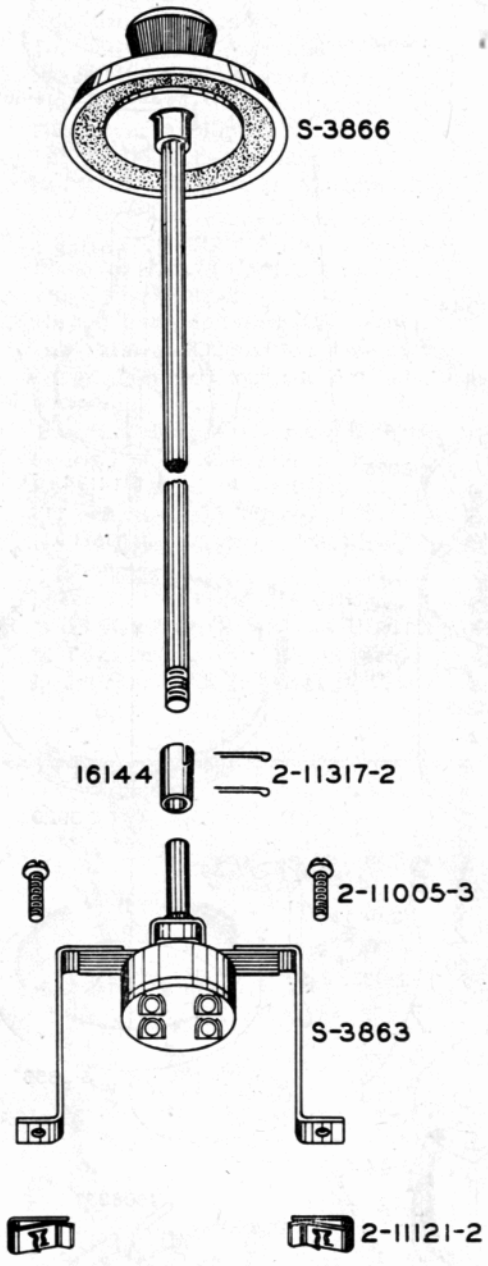
Part Number	Description	Weight Lb.	Weight Oz.
	WATER SYSTEM		
S-3818	Discharge Pump Assembly	2	12
S-3846	Pump Body and Bushing Assembly	2	4
S-3847	Pump Shaft and Impeller Assembly		3
11005-2	No. 10-24 x 3/8 R. H. Machine Screw (6 Used)		1
11353-2	No. 10 Internal Lockwasher (6 Used)		1
16083	Pump Cover		2
16113	Pump Pulley		2
16219	Cover Gasket		1
16220	Felt Oil Wick		1
16310	Water Seal Washer		1
16311	Water Seal		1
16312	Felt Washer		1
S-4405	Suds Pump and Priming Tank Assem.	3	12
S-4406	Pump Body and Bushing Assembly	2	10
S-4407	Priming Tank Assembly		8
S-4408	Pump Shaft and Impeller Assembly		4
S-4409	Pump Cover and Inlet Assembly		3
11005-2	No. 10-24 x 3/8 R. H. Machine Screw (7 Used)		1
11287-2	5/16-24 x 1/2 Hex Head Cap Screw		1
12876	Washer (11287-2)		1
16113	Pump Pulley		2
16288	Priming Tank Gasket		1
16289	Oil Wick		1
16310	Water Seal Washer		1
16311	Water Seal Rubber Tube		1
16312	Felt Washer		1
S-4411	Two-Way Valve Assembly	2	12
S-3897	Diaphragm Assembly		1
S-4410	Solenoid	1	3
11088-2	No. 10-32 x 1/2 Fillister Head Machine Screw (6 Used)		1
11316-2	3/32 x 1/2 Cotter Pin (3 Used)		1
11317-2	3/32 x 3/4 Cotter Pin		1
11323-2	1/8 x 5/8 Cotter Pin		1
11353-2	No. 10 Internal Lockwasher (6 Used)		1
16287	Valve Spring		1
16291	Spring		1
16292	Operating Lever		2
16293	Valve Cover		2
16295	Valve Spring Washer		1
16296-2	Pivot Pin		1
16297	Two-Way Valve Body	1	3
16299	Cup Washer (2 Used)		1
11022-2	1/4-28 x 1/2 R. H. Machine Screw (S-4411 to S-4417)		1
11248-2	1/4 Lockwasher (3 Used)		1
11249-2	5/16 Lock Washer (11665-4) (4 Used)		1

Continued on Page 7

WATER SYSTEM (Continued)

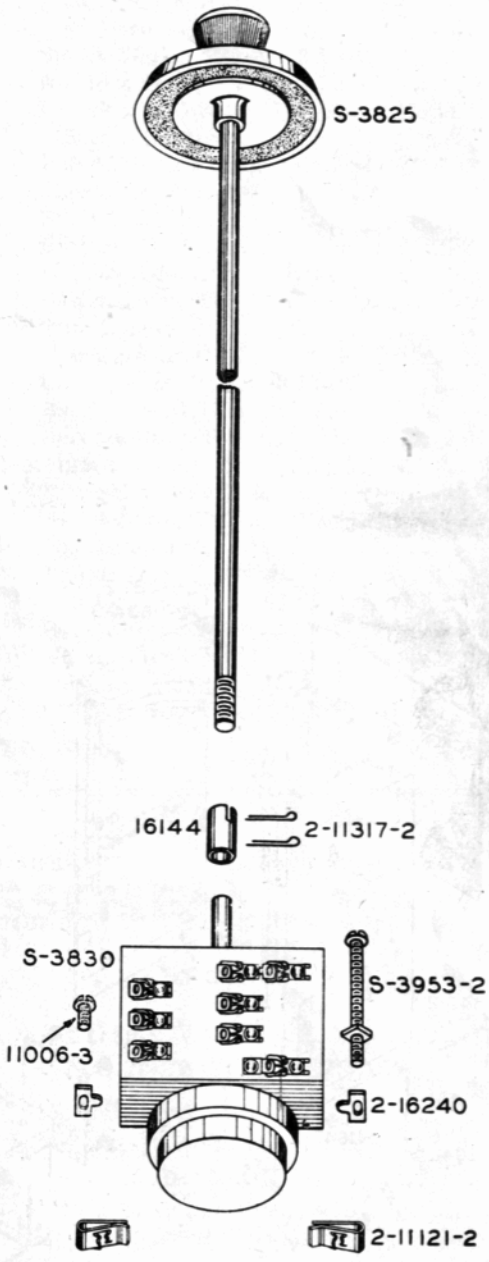
11471	Special Washer (S-4405) (2 Used) ...	1
11489-2	Special Washer (S-4405) (2 Used)	1
11665	5/16-18 x 1¼ Hex Hd. Cap Screw (S-3818) (4 Used)	1
12768	Hose Clamp (4 Used)	1
16081	Hose (S-4405 to S-4411)	4
16084	Hose (S-3818 to S-4405)	4
16087	Tub Outlet	7
16089	Outlet Retainer Ring	1
16316	Hose Clamp (16087)	1

TEMPERATURE SWITCH ASSEMBLY



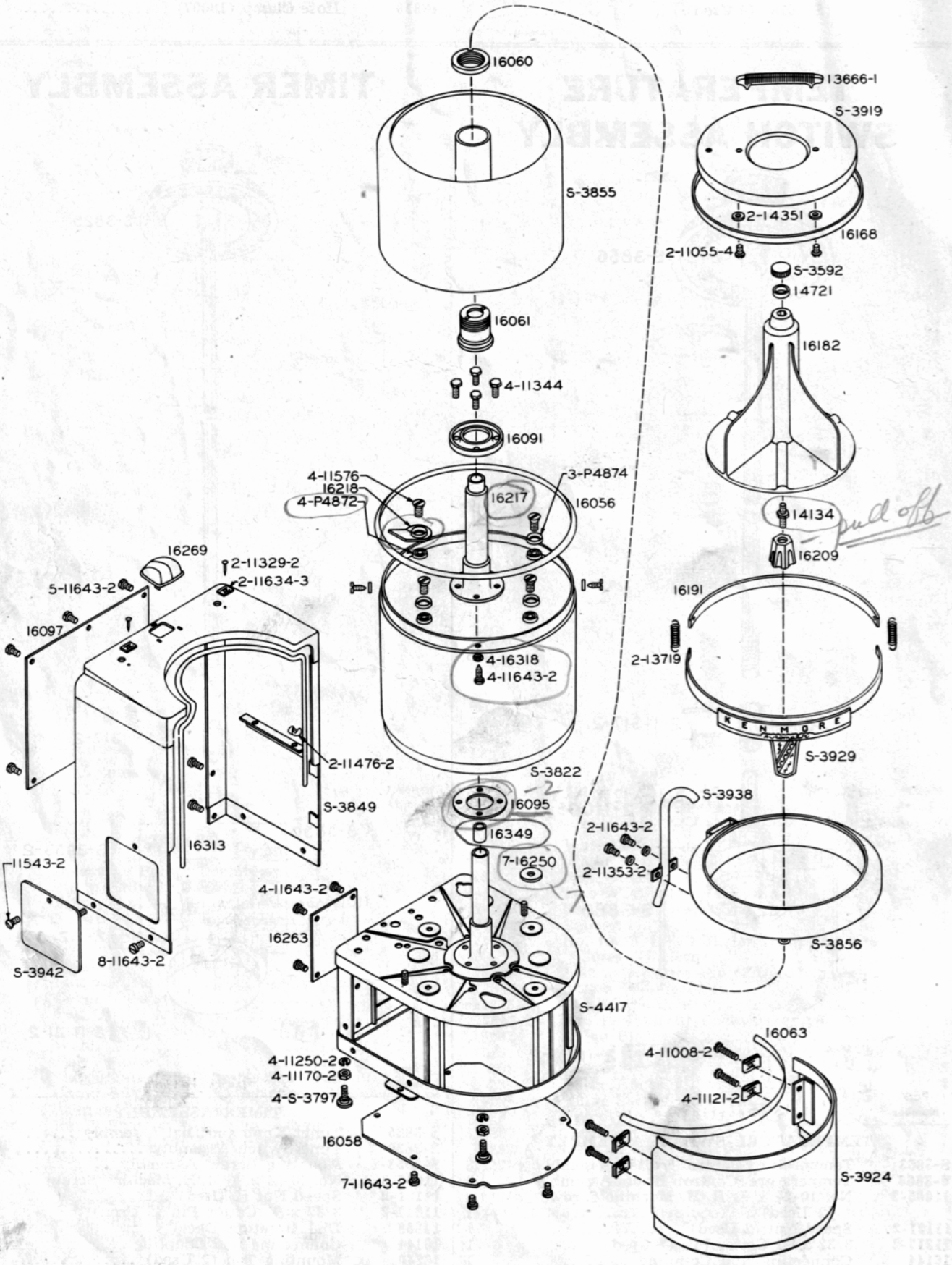
Part Number	Description	Weight Lb.	Weight Oz.
	TEMPERATURE SWITCH ASSEMBLY		
S-3863	Temperature Control Switch Assembly		3
S-3866	Temperature Control Knob Assembly		2
11005-3	No. 10-24 x ⅜ R. H. Machine Screw (2 Used)		1
11121-2	Speed Nut (2 Used)		1
11317-2	3/32 x ¾ Cotter Pin (2 Used)		1
16144	Connecting Rod Coupling		1

TIMER ASSEMBLY



Part Number	Description	Weight Lb.	Weight Oz.
	TIMER ASSEMBLY		
S-3825	Timer Knob and Dial Assembly		2
S-3830	Time Switch Assembly	1	7
S-3953-2	Mounting Screw Assembly		1
11006-3	No. 10-24 x ½ R. H. Machine Screw ..		1
11121-2	Speed Nut (2 Used)		1
11317-2	3/32 x ¾ Cotter Pin (2 Used)		1
14809	Dial Rotation Decal		1
16144	Connecting Rod Coupling		1
16240	Mounting Tab (2 Used)		1

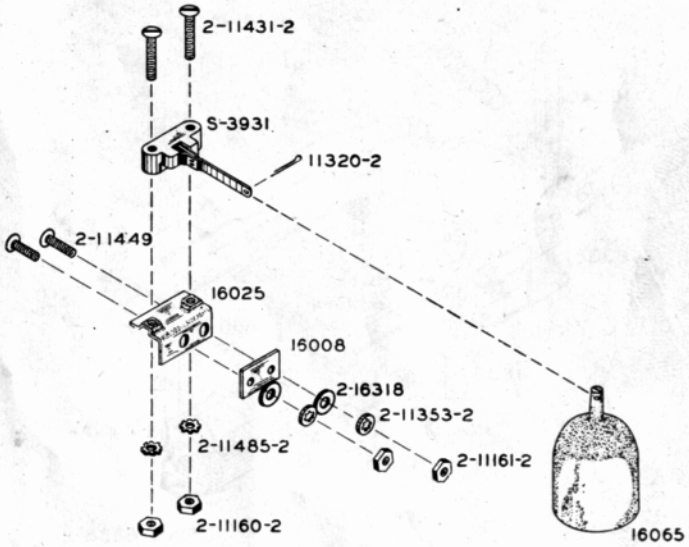
MACHINE SUB-ASSEMBLY



MACHINE SUB-ASSEMBLY

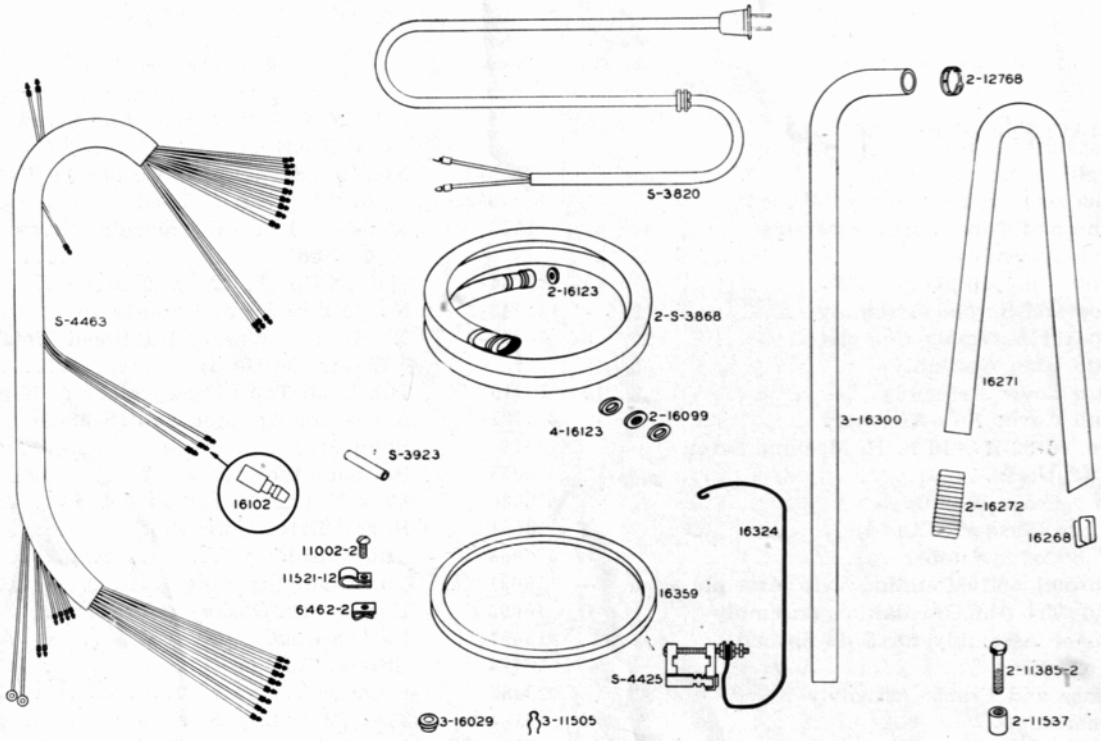
Part Number	Description	Weight Lb.	Weight Oz.
	MACHINE SUB-ASSEMBLY		
S-3592	Agitator Cap Assembly		1
S-3797	Machine Foot Assembly (4 Used)		2
S-3823	Tub and Tub Rubber Assembly	17	7
S-3822	Tub Assembly	16	10
16056	Tub Ring Rubber		13
S-3849	Top and Shroud Assembly	12	4
S-3855	Basket Assembly Complete	25	8
S-3856	Tub Ring Assembly	5	12
S-3872	Tub Cover Assembly	3	12
S-3919	Tub Cover Sub-Assembly	2	12
11055-4	No. 10-32 x 3/16 R. H. Machine Screw (2 Used)		1
13666-1	Tub Cover Handle		9
14351	Fibre Washer (2 Used)		1
16168	Tub Cover Rubber		6
S-3924	Shroud and Mounting Clip Assembly	5	4
S-3929	Tub Trim and Medallion Assembly		6
S-3942	Cover Assembly for Side Shroud Opening		4
S-4417	Base and Frame Assembly	43	
16349	Bearing		2
P-4872	Rubber Washer (4 Used)		1
P-4874	Formed Washer (3 Used)		1
11008-2	No. 10-24 x 1¼ R. H. Machine Screw (4 Used)		1
11121-2	Speed Nut (11008-2) (4 Used)		1
11170-2	⅜-16 Hex Nut (S-3797) (4 Used)		1
11250-2	⅜ Lockwasher (S-3797) (4 Used)		1
11329-2	Eschutcheon Pin (S-3849) (2 Used)		1
11344	5/16-24 x ⅝ Hex Head Cap Screw (4 Used)		1
11353-2	No. 10 Internal Lockwasher (2 Used)		1
11476-2	¼-20 Wing Nut (2 Used)		1
11576	5/16-24 x 1 Flat Hd. Machine Screw (4 Used)		1
11634-3	Speed Clip (11329-2) (2 Used)		1
11543-2	No. 10 x ⅜ Sheet Metal Screw		1
11643-2	No. 10 x ⅜ Washer Hd. Sheet Metal Screw (30 Used)		1
13719	Tub Shell Top Ring Retainer (2 Used)		1
14721	Sleeve for Agitator Cap (S-3592)		1
14134	Shaft Stud		1
16058	Bottom Plate	3	4
16060	Lock Nut for Dryer Basket		4
16061	Basket Drive Tube Block		10
16063	Tub Cushion		2
16091	Tub Clamping Ring		2
16095	Center Post Gasket (2 Used)		1
16097	Back Shroud (Top)	2	8
16124	Shroud Rubber		2
16182	Agitator	3	2
16191	Trim Mounting Strap		2
16209	Hex Agitator Drive Collar		5
16217	Post Support Boot		6
16218	Tub Baffle		1
16250	Tub Gasket (7 Used)		1
16263	Back Shroud (Bottom)	1	4
16269	Water Inlet Hood		4
16313	Shroud Rubber		2
16318	Washer (Top Ring to Tub) (4 Used)		1

FLOAT SWITCH ASSEMBLY



Part Number	Description	Weight Lb. Oz.
	FLOAT SWITCH ASSEMBLY	
S-3931	Float Switch Assembly	2
11160-2	No. 6-32 Hex Nut (2 Used)	1
11161-2	No. 10-32 Hex Nut (2 Used)	1
11320-2	1/16 x ¾ Cotter Pin	1
11353-2	No. 10 Internal Lockwasher (2 Used)	1
11431-2	No. 6-32 x ⅞ R. H. Machine Screw (2 Used)	1
11449	No. 10-32 x ⅜ Binding Head Machine Screw (2 Used)	1
11485-2	No. 6 External Lockwasher (2 Used)	1
16008	Gasket for Float Switch Bracket	1
16025	Float Switch Bracket	1
16065	Float	2
16318	Washer (2 Used)	1

MISCELLANEOUS

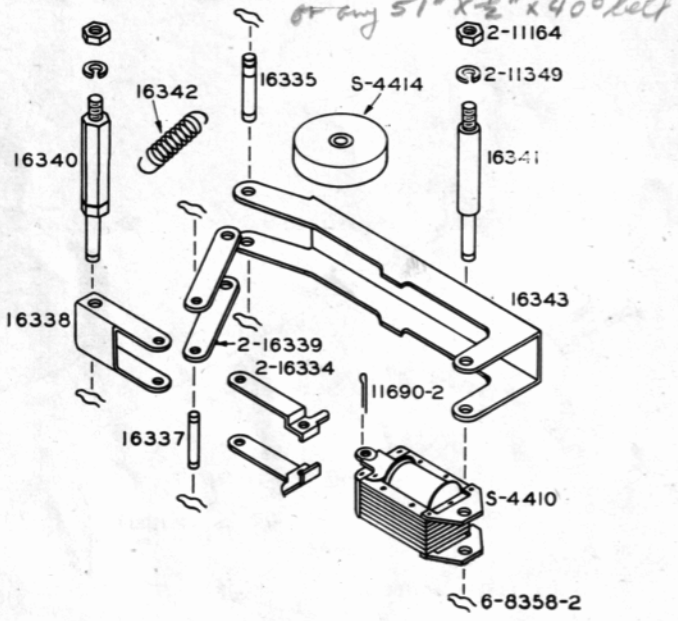


Part Number	Description	Weight Lb.	Weight Oz.
	MISCELLANEOUS		
S-3820	Motor Cord Assembly		9
16102	Terminal Plug		1
S-3868	Inlet Hose Assembly (2 Used)	1	3
S-3923	Wire Connector		1
S-4403	Discharge Hose Assembly		13
16268	Hose Strainer		1
16271	Discharge Hose		12
S-4425	Ground Clamp Assembly		1
S-4463	Wiring Harness		9
6462-2	No. 8-32 Speed Nut (11002-2)		1
11002-2	No. 8-32 x ½ R. H. Machine Screw		1
11385-2	⅜-16 x 1¾ Hex Head Cap Screw (2 Used)		1
11505	Retainer Spring (3 Used)		1
11521-12	Wire Clip (S-3820 to S-4417)		1
11537	Star Tampin for ⅜-16 Thread (2 Used)		3
12768	Hose Clamp (2 Used)		1
14814	Instruction Card		2
16029	Bushing (3 Used)		1
16099	Inlet Hose Screen (2 Used)		1
16123	Rubber Washer (6 Used)		1
16272	Drain Hose Connector (2 Used)		2
16300	Outlet Hose Section (3 Used)		13
16324	Ground Wire		1
16359	"V" Belt 33/64 x 51 Inches		5

GATES 1570 or any 51" x ½" x 400 belt

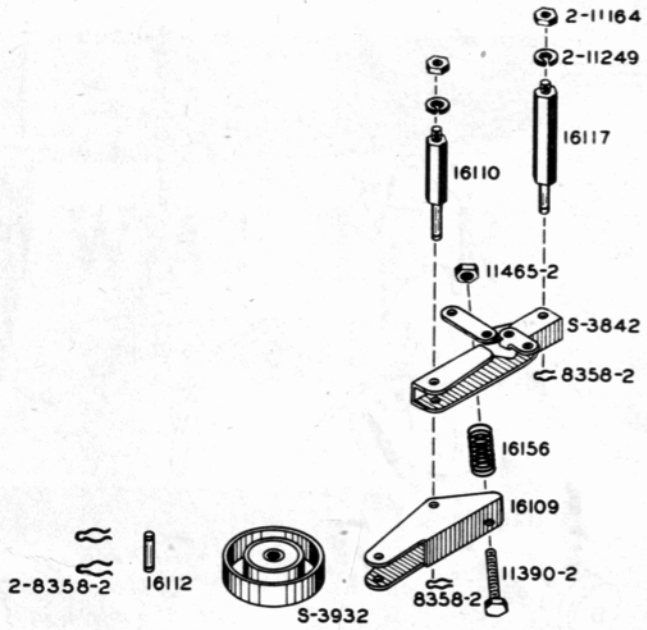
SUDS PUMP CONTROL ASSEMBLY

Part Number	Description	Weight Lb.	Weight Oz.
	SUDS PUMP CONTROL ASSEMBLY		
S-4415	Suds Pump Control Assembly	2	8
S-4410	Solenoid	1	3
S-4414	Roller & Bushing Assembly		10
8358-2	Retainer Spring (6 Used)		1
11690-2	⅛ x ¾ Cotter Pin		1
16334	Solenoid Link (2 Used)		1
16335	Roller Pin		1
16337	Toggle Pin		1
16338	Toggle Lever		1
16339	Toggle Link		1
16340	Lever Stud		3
16341	Solenoid Stud		3
16342	Spring		1
16343	Roller Lever		3
11164	5/16-24 Hex Nut (2 Used)		1
11349	5/16 Internal Lockwasher (2 Used)		1

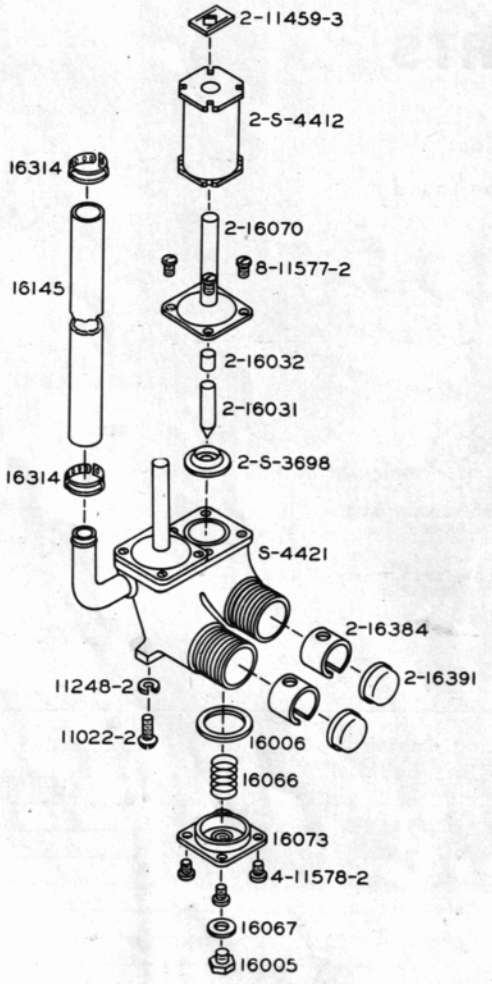


DISCHARGE PUMP CONTROL ASSEMBLY

Part Number	Description	Weight Lb.	Oz.
	DISCHARGE PUMP CONTROL ASSEMBLY		
S-3841	Pump Control Assembly	12	
S-3842	Toggle Lever Link Assembly	4	
S-3933	Pump Roller Lever, Roller and Pin Assembly	4	
S-3932	Pump Control Roller and Bushing Assembly	4	
8358-2	Retainer Spring (2 Used)	1	
16109	Pump Control Roller Lever	4	
16112	Pump Control Roller Pin	1	
11390-2	No. 10-32 x 1½ Hex Head Machine Screw	1	
11465-2	No. 10-32 Nut	1	
16156	Control Spring	1	
8358-2	Retainer Spring (Pump Control to Stud) (2 Used)	1	
11164	5/16-24 Hex Nut (2 Used)	1	
11249	5/16 Lockwasher (2 Used)	1	
16110	Roller Lever Pivot Stud	3	
16117	Pump Control Toggle Lever Stud	3	



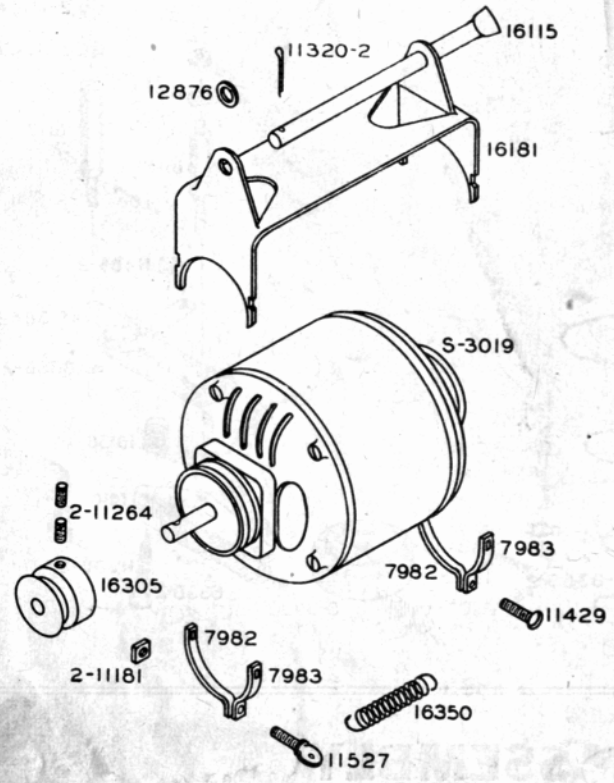
MIXING VALVE ASSEMBLY



Part Number	Description	Weight Lb.	Oz.
	MIXING VALVE ASSEMBLY		
S-4420	Mixing Valve Assembly Complete	3	
*S-3927	Solenoid		9
*S-4412	Solenoid		9
S-4453	Solenoid Coil Pack		12
S-4421	Mixing Valve Assembly	1	14
S-3698	Diaphragm Assembly (2 Used)		1
11577-2	No. 6-32 x 3/16 Fil. Head Machine Screw (8 Used)		1
11578-2	No. 6-32 x ¼ Fil. Hd. Machine Screw (4 Used)		1
16005	Drain Plug		1
16006	Gasket		1
16031	Armature (2 Used)		1
16032	Buffer (2 Used)		1
16066	Poppet Return Spring		1
16067	Gasket		1
16070	Solenoid Guide (2 Used)		1
16073	Hot Water Seal		1
16384	Restrictor (2 Used)		1
16391	Screen (2 Used)		1
11459-3	Speed Nut (2 Used)		1
11022-2	¼-28 x ½ R. H. Machine Screw		1
11248-2	¼ Lockwasher		1
16145	Water Inlet Hose		5
16314	Hose Clamp (16145) (2 Used)		1

*** Optional**

MOTOR AND BRACKET ASSEMBLY



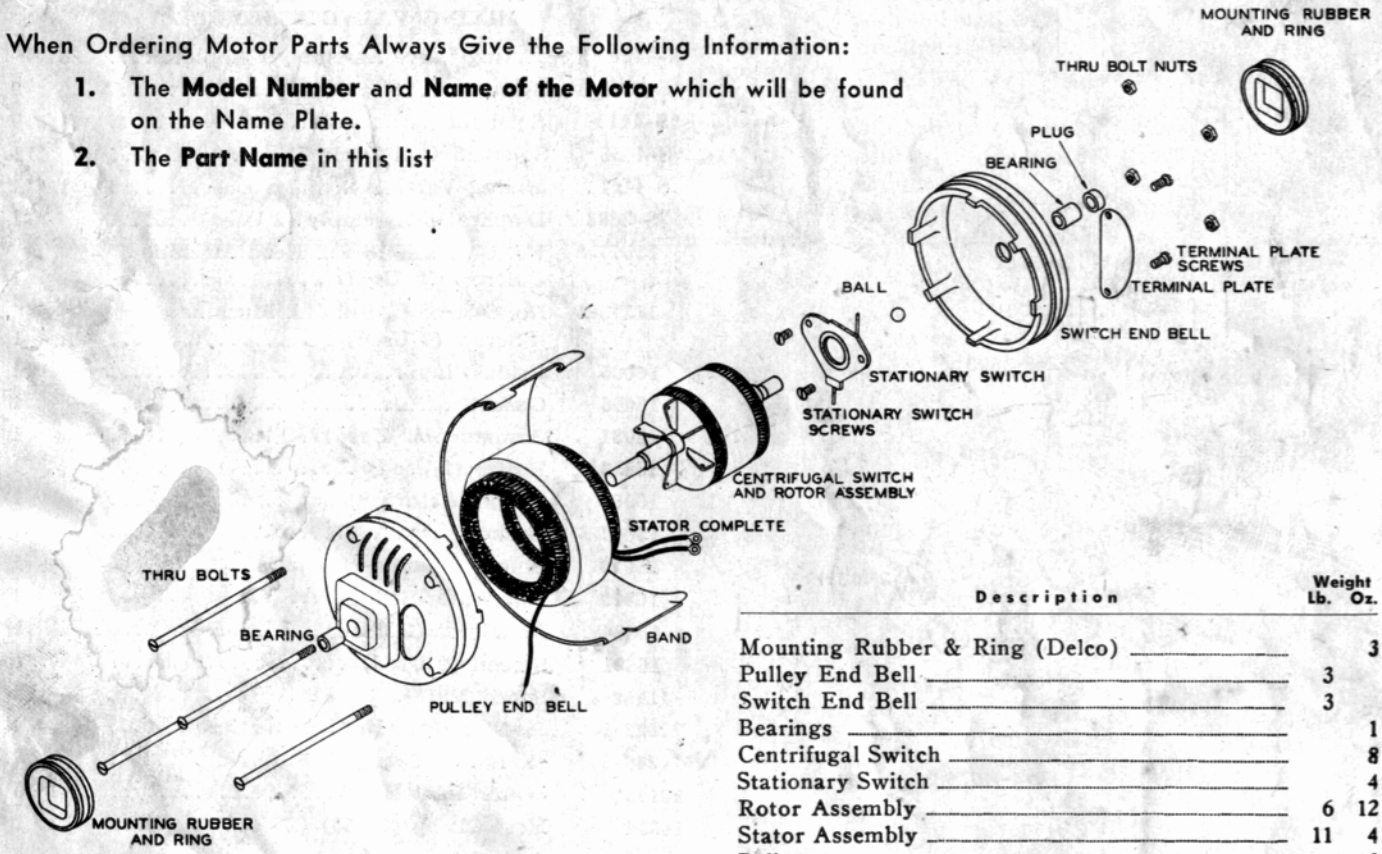
Part Number	Description	Weight Lb.	Oz.
	MOTOR AND BRACKET ASSEMBLY		
S-4424	Motor and Bracket Assembly	26	4
S-2169	Motor Clamp Assembly		3
7982	Mounting Clamp (Long)		1
7983	Mounting Clamp (Short)		1
11181	No. 10-32 Square Nut		1
11429	No. 10-32 x 1 R. H. Machine Screw		1
*S-3019	¼ H. P., 115 Volts, 60 Cycle Motor	24	
S-2097	Motor Mounting Hub (2 Used)		1
*S-3027	¼ H. P., 115 Volts, 50 Cycle Motor	24	
S-2097	Motor Mounting Hub (2 Used)		1
S-3828	Motor Clamp Assembly		3
7982	Motor Clamp (Long)		1
7983	Motor Clamp (Short)		1
11181	No. 10-32 Square Nut		1
11527	No. 10-32 Shoulder Thumb Screw		1
11264-2	¼-28 x 5/16 Set Screw (2 Used)		1
16181	Motor Base	1	5
*16261	Motor Pulley (50 Cycle)		4
*16305	Motor Pulley (60 Cycle)		4
11320-2	1/16 x ¾ Cotter Pin		1
12876	Washer		1
16115	Motor Hinge Rod		3
16350	Belt Tension Spring		2

*** Use as Required**

MOTOR PARTS

When Ordering Motor Parts Always Give the Following Information:

1. The **Model Number** and **Name of the Motor** which will be found on the Name Plate.
2. The **Part Name** in this list



Description	Weight Lb.	Oz.
Mounting Rubber & Ring (Delco)		3
Pulley End Bell	3	
Switch End Bell	3	
Bearings		1
Centrifugal Switch		8
Stationary Switch		4
Rotor Assembly	6	12
Stator Assembly	11	4
Ball		2